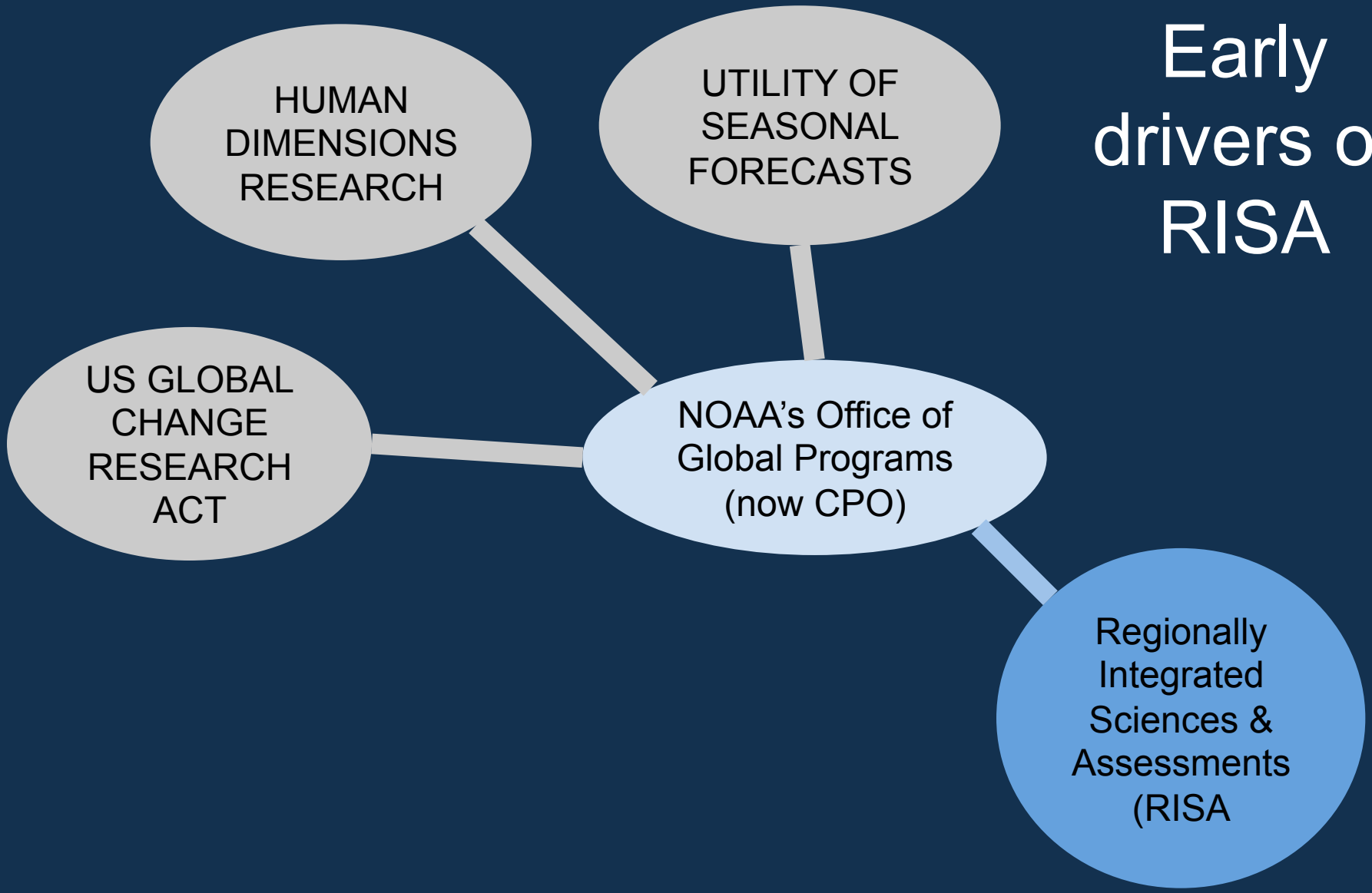
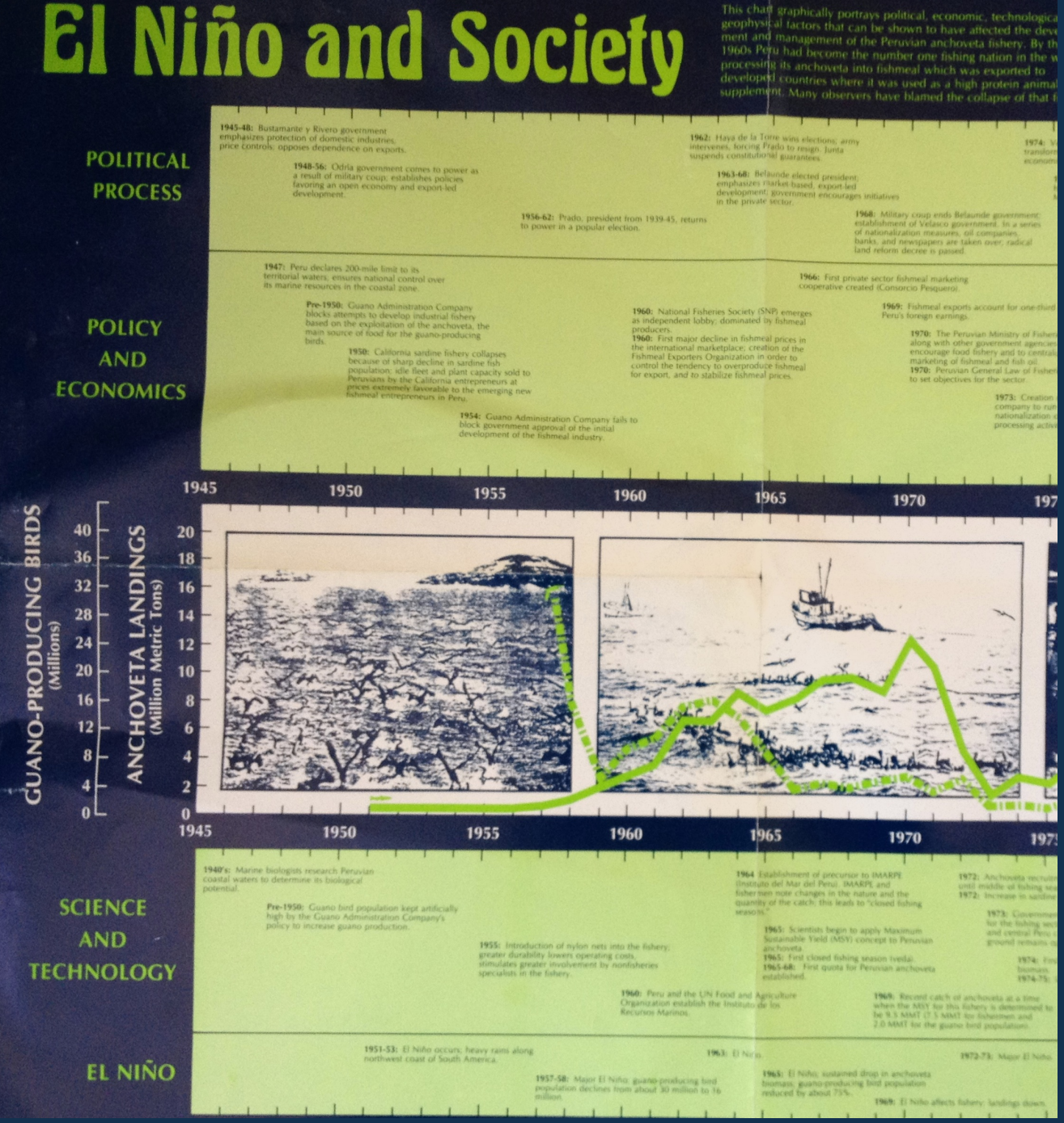
Capacity Building through Competitive Research

Adam Parris, Caitlin Simpson, and Anne Waple
RISA Program & Assessments Program
NOAA CPO & NCDC

Early drivers of RISA





Source: Mickey Glantz

Why Regions?

Institutions

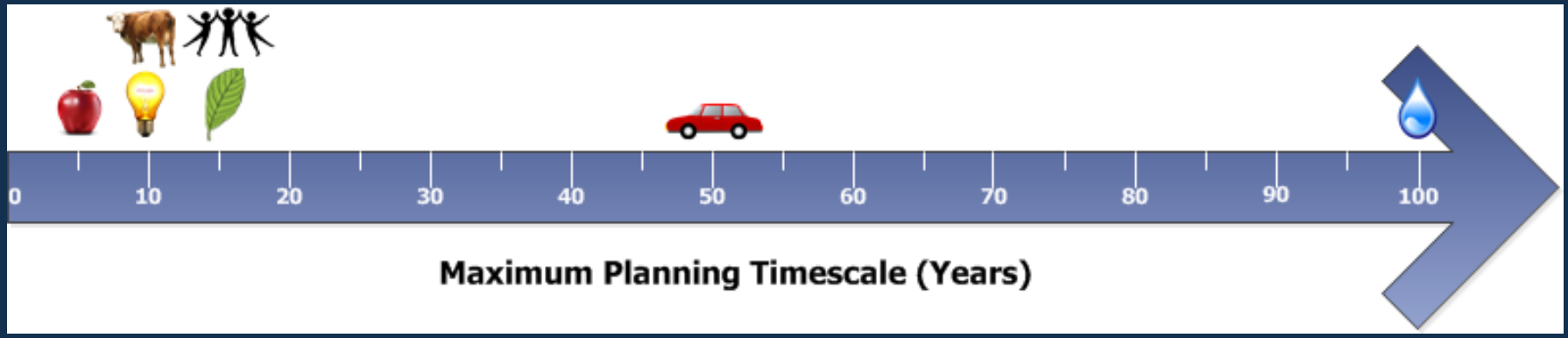
Values

Resources

Data and Info

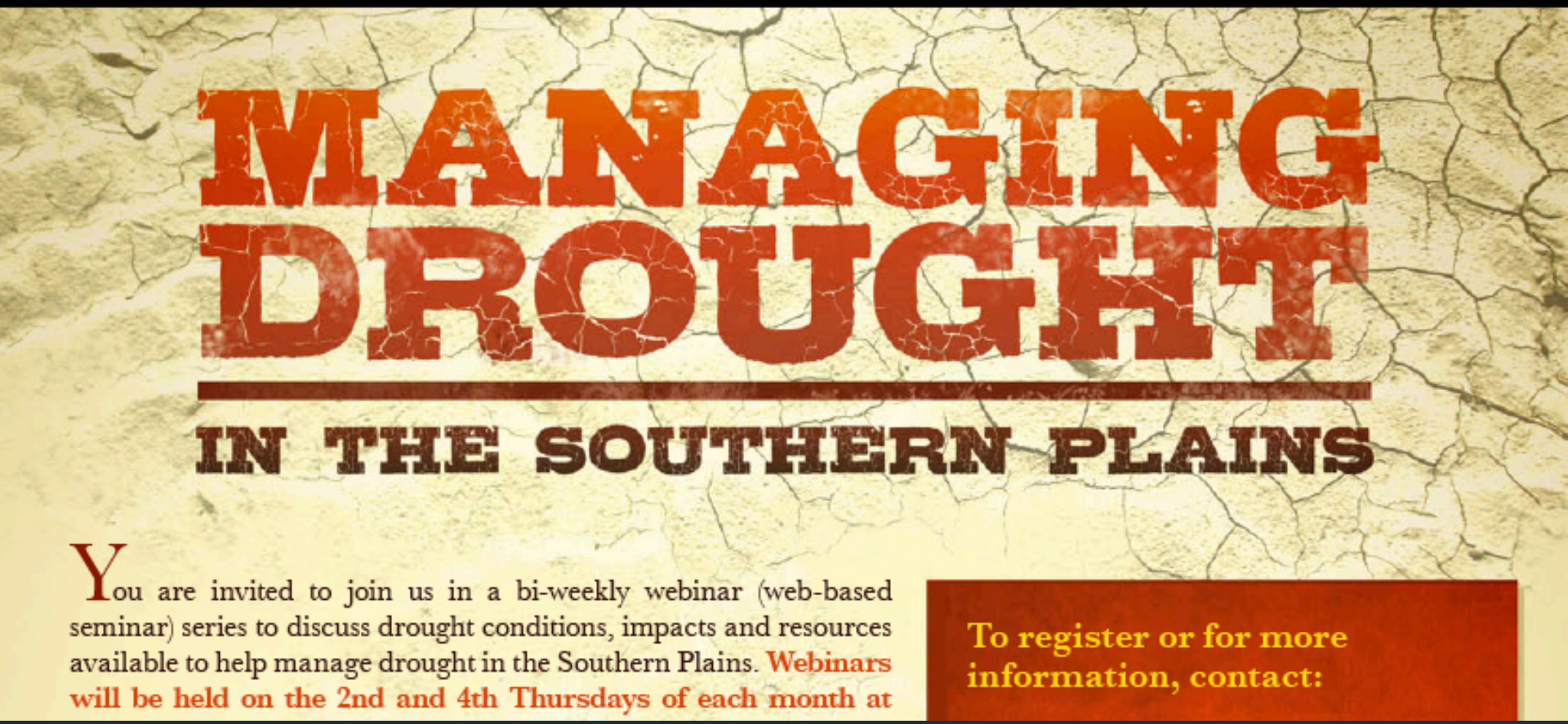
Climate

Climate-related needs of OK Decision Makers



*Riley, R., K. Monroe, J. Hocker, M. Boone, and M. Shafer, 2012: An Assessment of the Climate-Related Needs of Oklahoma Decision Makers. Southern Climate Impacts Planning Program, 47 pp. [Available online at http://www.southernclimate.org/publications/OK_Climate_Needs_Assessment_Report_Final.pdf.]

Putting climate in context

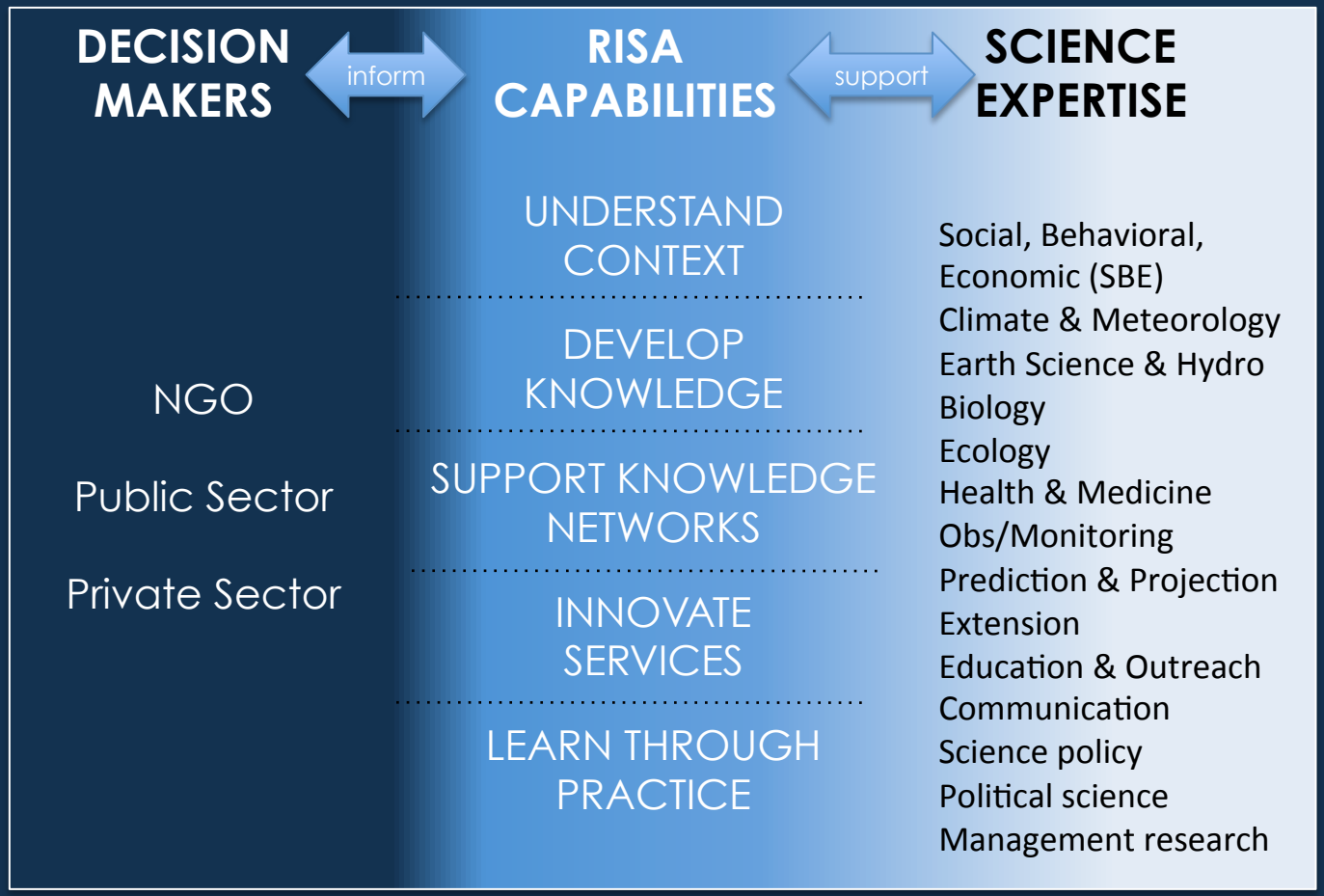


NIDIS Reauthorization Hearing 7/25/12

"…attended by representatives from more than 40 institutions representing water resources, agriculture and livestock, forestry and wildfire management interests, and state and federal agencies…Most importantly, participants now know counterparts working with drought issues in neighboring states and have identified sources of expertise in regional and national organizations."

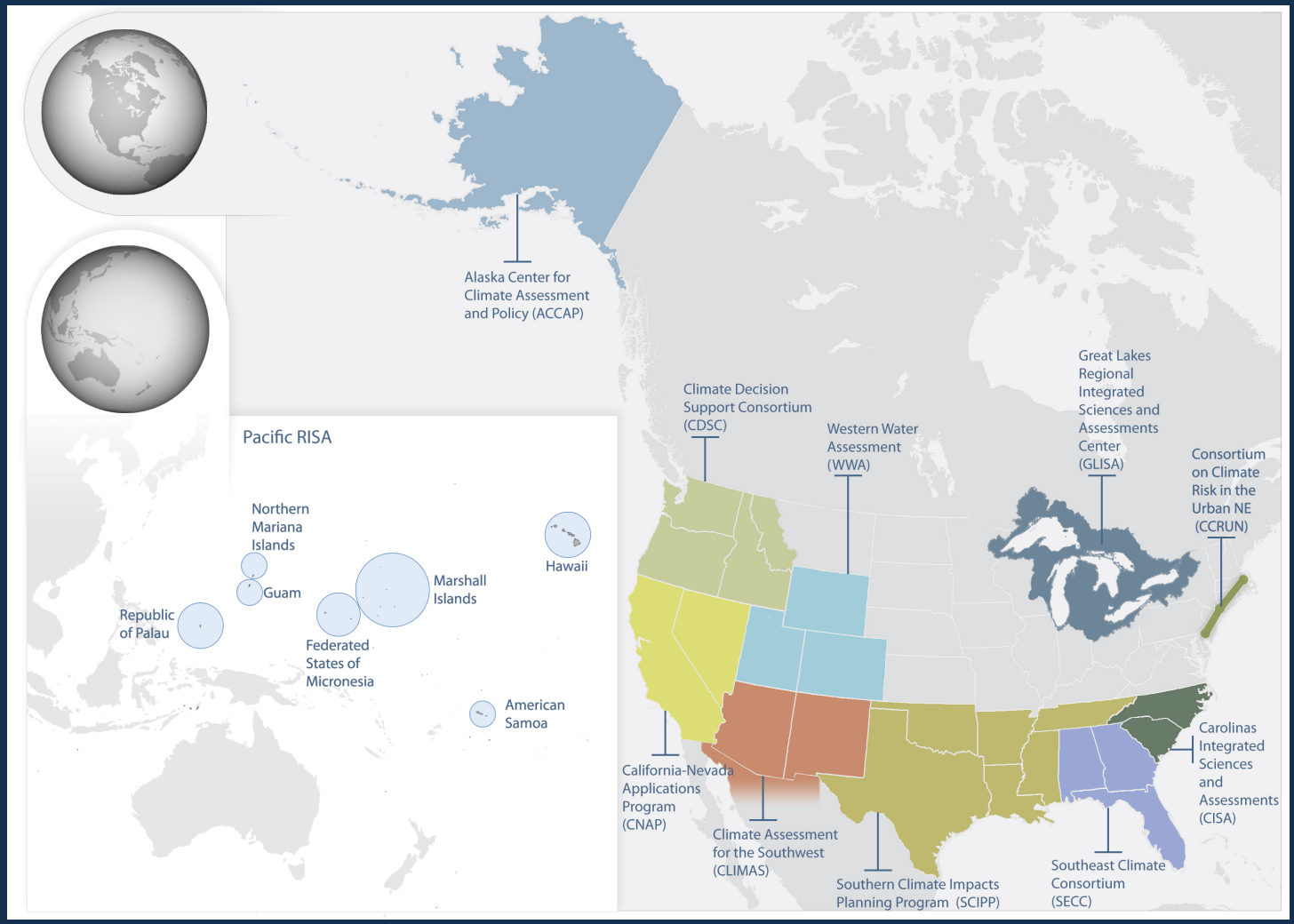
J. D. Strong, OK Water Resource Board

RISA Capabilities

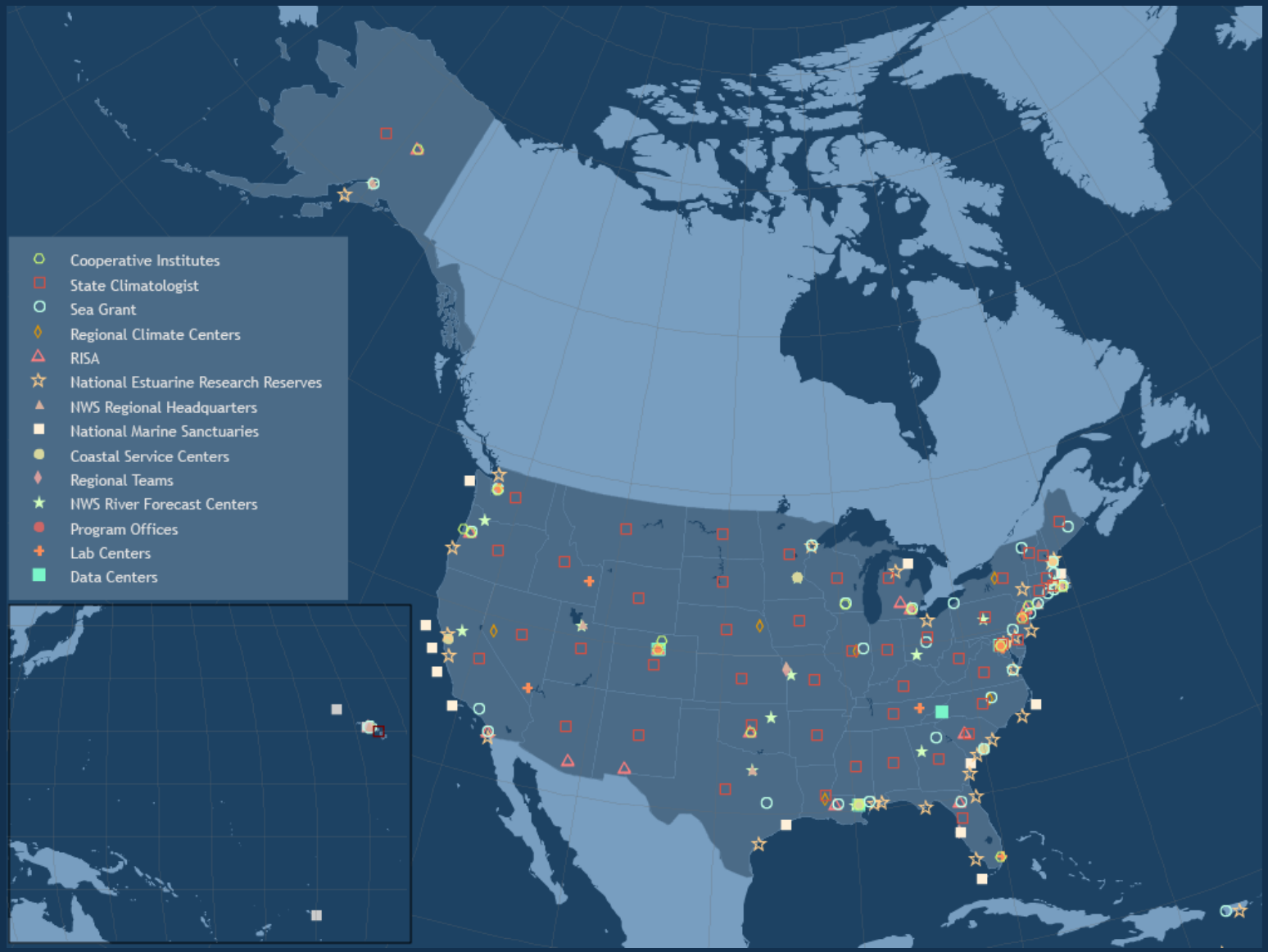


Regionally Integrated Sciences & Assessments

Building capacity to adapt to climate



NOAA Regional Partners



Balancing Regional/National Priorities

Regional Priorities

- Drought
- Outdated water rights
- Knowledge gaps
- Evolving conditions
- Assessment

Competitive Research

- Mutual priorities
- Science policy innovations
- Focused, traceable projects

United States Global Change Research Program

National Priorities

- Mission/Mandate
- Core capabilities
- Funding
- USGCRA

FY12 FFO

Research Partnerships in Support of Regional Climate Adaptation

- Named USGCRP and EO 13514 in context

- Connected RISAs with national agency reps of USDA, EPA, USFS, and NOAA NMFS in proposal development phase

- Focused on capacity development

- 3 priorities – Regional capacity for:

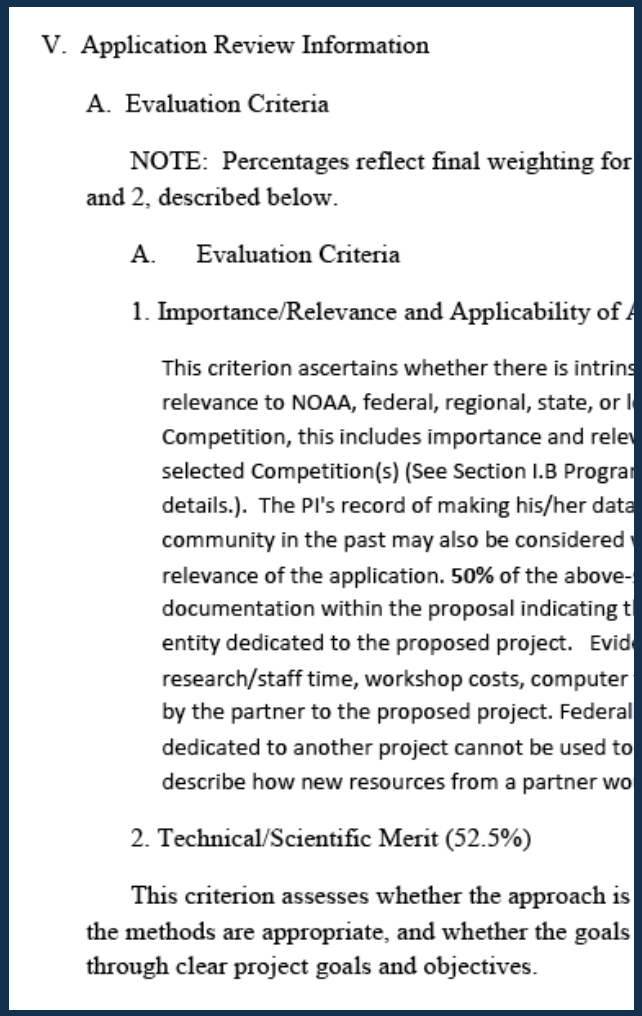
    - Coastal and Marine Climate Adaptation

    - Water Resource Management and Planning

    - Land Management

- Over 6 different agencies participated in panel review

Science Policy Innovation



V. Application Review Information

A. Evaluation Criteria

NOTE: Percentages reflect final weighting for
and 2, described below.

A. Evaluation Criteria

1. Importance/Relevance and Applicability of A

This criterion ascertains whether there is intrins
relevance to NOAA, federal, regional, state, or l
Competition, this includes importance and relev
selected Competition(s) (See Section I.B Progra
details.). The PI's record of making his/her data
community in the past may also be considered
relevance of the application. **50%** of the above-
documentation within the proposal indicating t
entity dedicated to the proposed project. Evid
research/staff time, workshop costs, computer
by the partner to the proposed project. Federal
dedicated to another project cannot be used to
describe how new resources from a partner wo

2. Technical/Scientific Merit (52.5%)

This criterion assesses whether the approach is
the methods are appropriate, and whether the goals
through clear project goals and objectives.

★ **Key Innovation - <u>50% of the relevance score</u>** was determined by "PARTNER CONTRIBUTIONS"

- BUILDING CAPACITY - Operational offices of federal gov't working with academic, R & D centers
- LEVERAGING CAPABILITIES - Collaboration between Denise Lach (OSU social scientist) and Dave Peterson (USFS Biologist)

Proposal Title	RISA	Partner	Partner Funds (K)	CPO Funds (K)
Water Reservoir Data Visualization Tools	SCIPP	NCDC	$60	$44
Building Organizational Capacity to Adapt to Climate Change on Public Lands in the PNW	CIRC	USFS	$60	$199
Mapping the Flow of Climate and Water Information in the Pacific Islands	Pacific RISA	USGS CSC	$25	$150
Use of seasonal climate forecasts to minimize short-term operational risks for water supply an ecos. restoration	SECC	SE Water Utilities	In-kind	$149
Climate and Weather Services for Disaster Management	CLIMAS	FEMA	In-kind	$165
A Water Management Knowledge Network for the Northeastern US	CCRUN	NCDC	$10	$199
Building Climate Science into Land and Water Conservation Planning/Decision Making in SW	WWA	The Nature Conservancy	$10	$199
TOTAL			$165	$1,110

★ Key Innovation – 15% interagency funding helps ensure commitment and extends utility of project to partner organization (i.e. TRANSFER OF CAPACITY)

FY13 FFO

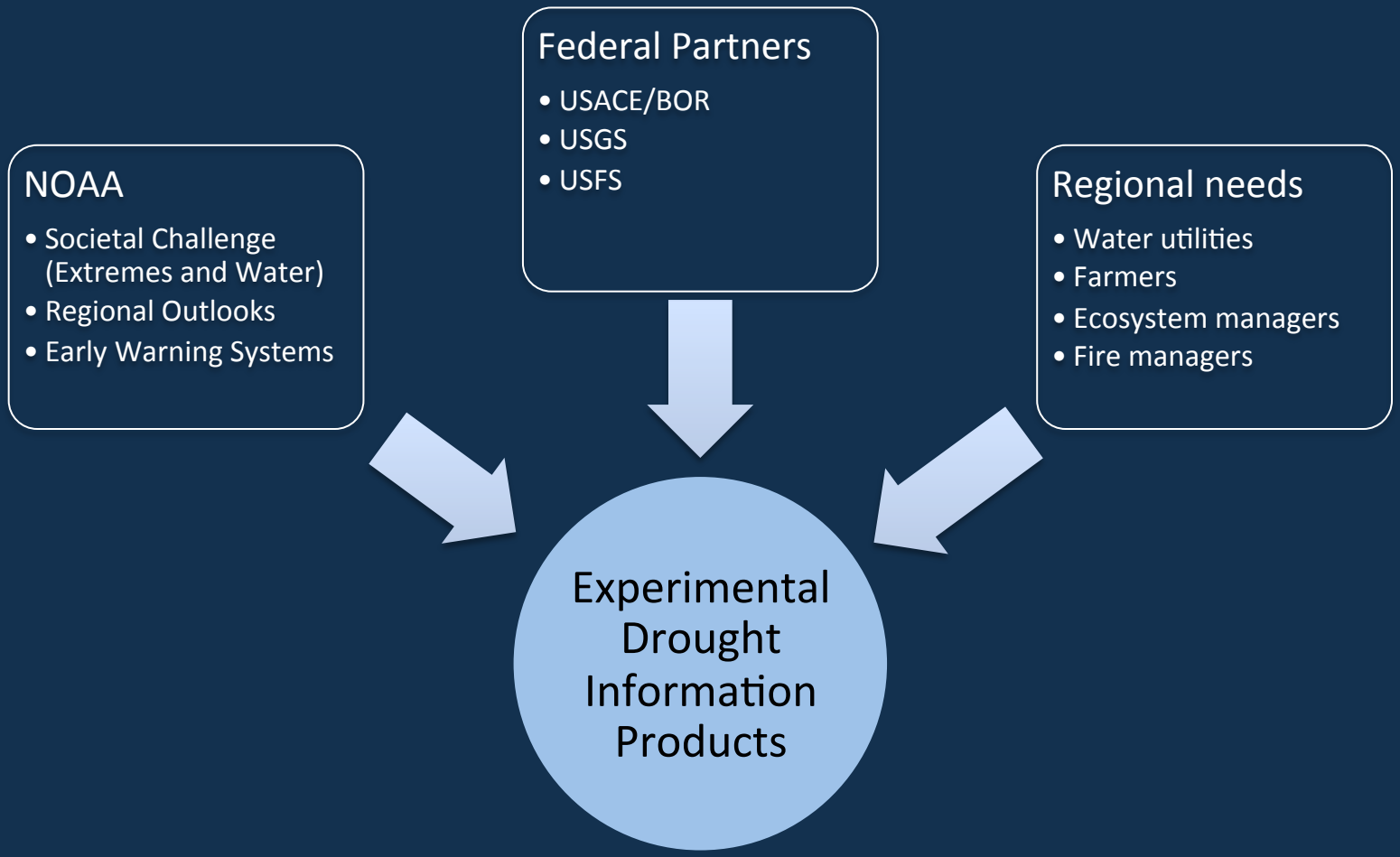
Research Partnerships in Support of Regional Climate Adaptation.

Expand regional capacity for:

- Coastal Flooding in Urban Communities
- Scenario Planning
- Climate Impacts on Marine Ecosystems
- Experimental Drought Information Products

Why did we choose priorities?

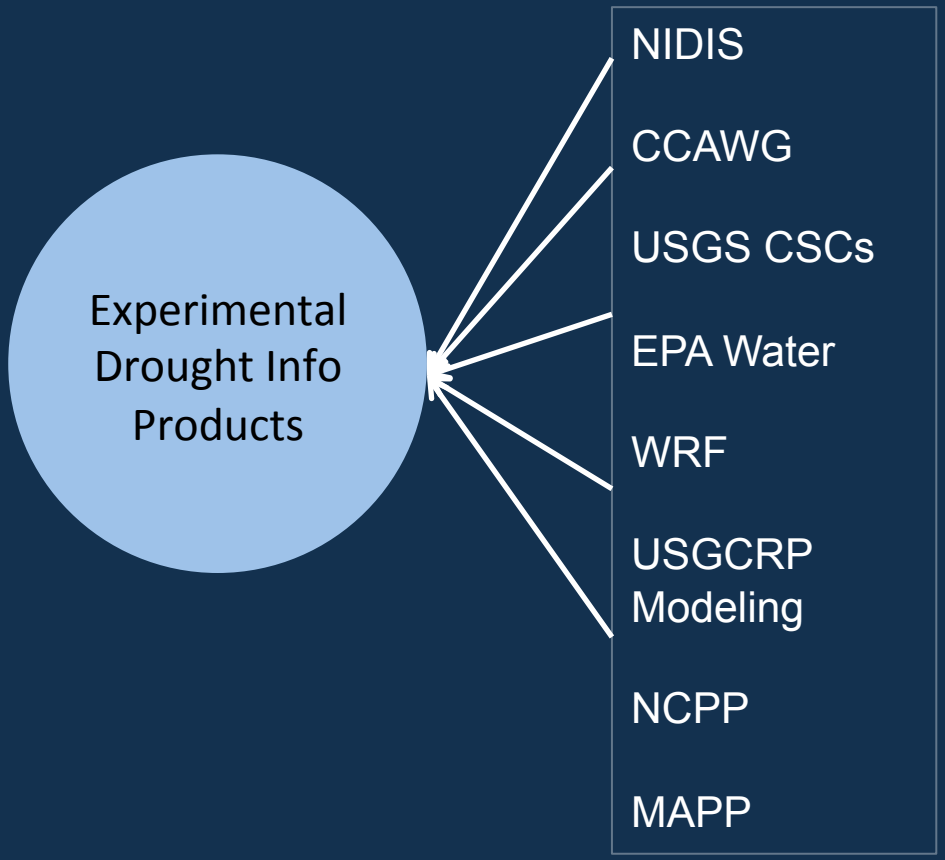
Drought Example



Priority Development Teams – Drought Ex.

Priority authors are well connected to ongoing engagement efforts.

They have discretion to engage additional partners (time permitting).



Bottom Line

- Competitive research can stimulate decision relevant science consistent with the Federal agency

- Science policies for competitive research help ensure that knowledge is actionable and capacity is built

- We have created an inter-agency funding process that can be sustained over time to develop projects relevant to USGCRP and NIDIS